

FEB 15 2007

FAX COVER SHEET

PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

Attention: Examiner: Marcos L. Torres  
 Supervising Examiner: George Eng  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 Examiner: Marcos L. Torres  
 Supervising Examiner: George Eng  
 Pages: Cover + 10 = 11  
*Certificate of Transmission*  
 From: Georgann S. Grunebach  
 Assistant General Counsel DIRECTV

Fax: (571) 273-8300  
 Phone: (571) 272-7926  
 Phone: (571) 272-7495  
 Date: February 15, 2007  
 Fax: (310) 964-0941  
 Phone: (310) 964-4615

The information contained in this facsimile is confidential and may also contain privileged attorney-client information or work product. The information is intended only for the use of the individual or entity to which it is addressed. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. If you have received the facsimile in error, please immediately notify us by telephone, and return the original message to us at the address below via the U.S. Postal Service. Thank you.

Certification of Facsimile Transmission UNDER 37 CFR 1.8

I hereby certify that the correspondence identified below is being facsimile transmitted to (571) 273-8300 (Centralized Facsimile Number), addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 15, 2007. *Georgann S. Grunebach* February 15, 2007

Georgann S. Grunebach, Reg. No. 33,179

Date

please find attached Re:

Inventor: Donald C.D. Chang, et al.  
 Serial No.: 09/661,725  
 Filed: September 14, 2000

For: STRATOSPHERIC-BASED COMMUNICATION SYSTEM FOR MOBILE USERS USING ADDITIONAL PHASED ARRAY ELEMENT FOR INTERFERENCE REJECTION

» Amendment in Response to PTO Communication dated 1-12-2007

PLEASE CONFIRM RECEIPT OF THIS FACSIMILE

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

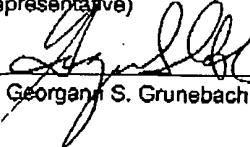
The DIRECTV Group, Inc., RE / R11 / A109, P.O. Box 956, El Segundo, CA 90245-0956

PAGE 1/10 \* RCVD AT 2/15/2007 4:28:31 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-3/15 \* DNI:2738300 \* CSID:3109640941 \* DURATION (mm:ss):02:48

FEB 15 2007

## CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to (571)-273-8300 (Centralized Facsimile Number), addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on February 15, 2007 (date of facsimile transmission) by Georgann S. Grunebach (Name of Registered Representative)



Georgann S. Grunebach, Registration No. 33,179

(Signature)

February 15, 2007 (Date of Signature)

Customer Number 020991

**PATENT**  
**PD-200101**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Donald C. D. Chang, et al.

Serial No. 09/661,725

Group Art Unit: 2617

Filed: 09/14/2000

Examiner: Torres, Marcos L.

For: STRATOSPHERIC-BASED COMMUNICATIONS SYSTEM FOR MOBILE  
USERS USING ADDITIONAL PHASED ARRAY ELEMENT FOR  
INTERFERENCE REJECTION

AMENDMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated January 12, 2007, please enter the following  
amendments and remarks.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 6 of this paper.